

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-170579

(43)Date of publication of application : 04.07.1995

(51)Int.Cl.

H04Q 7/38
H04Q 7/28

(21)Application number : 06-213046

(71)Applicant : NOKIA MOBILE PHONES LTD
NOKIA TELECOMMUN OY

(22)Date of filing : 06.09.1994

(72)Inventor : HAEMAELEINEN JARI
JOKIAHO TIMO

(30)Priority

Priority number : 93 933894 Priority date : 06.09.1993 Priority country : FI

(54) METHOD FOR TRANSMITTING DATA IN RADIO TELEPHONE SYSTEM AND RADIO TELEPHONE NETWORK AND RADIO TELEPHONE SET

(57)Abstract:

PURPOSE: To reduce costs without preventing channel opening even in a period in which data transmission is not operated by forming an actual data communication channel at the time of transmitting data by a mobile station, and switching the channel to a virtual data communication channel.

CONSTITUTION: A digital cellular system is provided with a packet data service unit for the bi-directional transmission of packet data so that a cellular network can be connected with a data network. When a mobile station is connected with a service unit, the network is allowed to operate signaling related with a specific connection configuration so that plural parameters can be stored in the mobile station and the service unit. This state is called a virtual channel, and when the mobile station transmits a data packet or requests the transmission of the data packet, the data of the virtual channel are used, and a packet transfer channel is generated. Thus, the virtual channel can be maintained until the service is disconnected even after the transfer is ended.

